



Department of Surgery

UNIVERSITY OF WISCONSIN

SCHOOL OF MEDICINE AND PUBLIC HEALTH

AUGUST 2025 PUBLICATIONS

Congratulations to all department members whose research was published in August 2025! The following list is organized by division within the Department of Surgery.

CROSS-DIVISION COLLABORATIONS

Sentinel node biopsy utilization in Wisconsin women undergoing breast-conserving surgery for DCIS.

Cortina CS, Schumacher JR, Cartmill RS, Venkatesh M, Lawson EH, Kong AL, Lautner MA.

Ann Surg Oncol. 2025 Aug;32(8):5446-5448. doi: 10.1245/s10434-025-17590-5. Epub 2025 May 31.

PMID: [40450165](#); PMCID: PMC12210222.

ACUTE CARE AND REGIONAL GENERAL SURGERY

A randomized, controlled trial comparing PermeaDerm to Mepilex Ag for the treatment of adult and pediatric partial-thickness burns.

Greenhalgh DG, Hill DM, Velamuri R, Driscoll I, Gibson A, Foster K, Smith D, Chamberlain A, Bush K, Yu M.

J Burn Care Res. 2025 Aug 30;46(4):700-707. doi: 10.1093/jbcr/iraf013.

PMID: [40341353](#).

Burn progression in human skin - A review of current knowledge and opportunities for future research.

Junak M, Gibson A.

J Burn Care Res. 2025 Aug 30;46(4):758-767. doi: 10.1093/jbcr/iraf014.

PMID: [39957288](#).

In response to "Letter to the editor regarding 'The utility of axial imaging among selected patients in the early postoperative period after pancreatectomy'".

Winslow ER, Bloomfield GC.

Surgery. 2025 Aug 15:109612. doi: 10.1016/j.surg.2025.109612. Epub ahead of print.

PMID: [40818903](#).

Making the case for value of acute care surgery: American Association for the Surgery of Trauma panel on overcoming local challenges.

Kim P, Murphy P, Kelly E, Haddad DN, Martin RS, Spain DA, Smith JW, Savage SA, Staudenmayer KL.

J Trauma Acute Care Surg. 2025 Aug 13. doi: 10.1097/TA.0000000000004781. Epub ahead of print. PMID: [40802502](#).

Practical implications of "personalized nutrition therapy".

Stephens KR, Busch RA.

Curr Opin Crit Care. 2025 Aug 1;31(4):393-400. doi: 10.1097/MCC.0000000000001287. Epub 2025 May 21.

PMID: [40522970](#).

Predicting opioid consumption after surgical discharge: A multinational derivation and validation study using a foundation model.

Varghese C, Peters L, Gaborit L, Xu W, Kalyanasundaram K, Basam A, Park M, Wells C, McLean KA, Schamberg G, O'Grady G, Wright D, Martin J, Harrison E, Pockney P; TASMAN Collaborative.

NPJ Digit Med. 2025 Aug 26;8(1):547. doi: 10.1038/s41746-025-01798-6.

PMID: [40858986](#); PMCID: PMC12381370.

The educational foundation for acute care surgery: Evolution of the specialty.

Lilienstein JT, Murphy P, Pathak A, de Moya MA, Sarani B, Savage SA; with the Acute Care Surgery Committee of the AAST.

J Trauma Acute Care Surg. 2025 Aug 21. doi: 10.1097/TA.0000000000004783. Epub ahead of print.

PMID: [40836367](#).

CARDIOTHORACIC SURGERY

A rare case of a primary atrial myxoma with metaplastic ossification and its multimodal imaging features.

Siewert N, Frenkel M, Guenther T, Osaki S.

Int J Surg Case Rep. 2025 Aug;133:111550. doi: 10.1016/j.ijscr.2025.111550. Epub 2025 Jun 23.

PMID: [40561602](#); PMCID: PMC12242467.

ECPELLA bridge to heart transplantation for a large ischemic ventricular septal defect and refractory ventricular arrhythmias.

Frenkel M, Fajardo R, Dollerschell J, Baber A, Hermsen J, Xia Y.

JHLT Open. 2025 Jun 2;9:100288. doi: 10.1016/j.jhlto.2025.100288.

PMID: [40584722](#); PMCID: PMC12205820.

Intraoperative ventilation and anesthesia issues during thoracic surgery.

Zajac JC, Arrigo RT, McCarthy DP.

Thorac Surg Clin. 2025 Aug;35(3):365-375. doi: 10.1016/j.thorsurg.2025.04.009. Epub 2025 May 30.

PMID: [40619184](#).

Sizing in lung transplantation: Principles, practices and ideas for the future.

Eberlein M, Reed RM, Abston E, Brower R, Hartwig MG, Xia Y, McCarthy DP.

JHLT Open. 2025 May 30;9:100304. doi: 10.1016/j.jhlto.2025.100304.

PMID: [40606298](#); PMCID: PMC12221432.

Superficial parasternal intercostal plane blocks with liposomal bupivacaine did not significantly reduce opioid use after cardiac surgery: A randomized clinical trial.

Simon ER, Mallery A, Silva J, de Biasi A, Osaki S, Krause BM, Meyer P.

Reg Anesth Pain Med. 2025 Aug 24;rapm-2025-106952. doi: 10.1136/rapm-2025-106952. Epub ahead of print.

PMID: [40850695](#).

COLORECTAL SURGERY

Evaluation of anal cancer screening practices among a national cohort of veterans with HIV.

Hewitt AJ, Freeman MJ, Hayden DM, Carchman EH, Schweizer ML, Sanger CB.

Dis Colon Rectum. 2025 Aug 6. doi: 10.1097/DCR.0000000000003928. Epub ahead of print.

PMID: [40767349](#).

Invited commentary: On demonstrating reliable, patient-centered surgical decision-making.

Berian JR.

J Am Coll Surg. 2025 Sep 1;241(3):436-437. doi: 10.1097/XCS.0000000000001407. Epub 2025 Aug 14.

PMID: [40202201](#).

ENDOCRINE SURGERY

Clonal hematopoiesis prevalence years before a thyroid cancer diagnosis: A case-control study.

Cabral PL, Aimalla N, Shoger K, Caskey JR, Zurbruggen L, Shah N, Basharat A, Moat LF, Reinig E, Long K, Pozzo P, Kitchner T, Eickhoff J, Carter TC, Churpek JE.

JCO Precis Oncol. 2025 Aug;9:e2400760. doi: 10.1200/PO-24-00760. Epub 2025 Aug 6.

PMID: [40768677](#).

Who gets referred? Disparities in access to specialist care for hyperparathyroidism.

O'Connor JP, Sippel R, Balentine C, Stalter L, Kind A, Chiu A.

J Surg Res. 2025 Aug;312:236-243. doi: 10.1016/j.jss.2025.05.025. Epub 2025 Jul 1.

PMID: [40602008](#).

MINIMALLY INVASIVE SURGERY

Fasting is required for many of the benefits of calorie restriction in the 3xTg mouse model of Alzheimer's disease.

Babygirija R, Han JH, Sonsalla MM, Matoska R, Calubag MF, Green CL, Tobon A, Yeh CY, Vertein D, Schlorf S, Illiano J, Liu Y, Grunow I, Rigby MJ, Puglielli L, Harris DA, Denu JM, Lamming DW.

Nat Commun. 2025 Aug 4;16(1):7147. doi: 10.1038/s41467-025-62416-3.

PMID: [40759886](#); PMCID: PMC12322025.

The GLP-1 era - What comes after bariatric surgery?

Lauer KV, Harris DA, Funk LM.

JAMA Surg. 2025 Aug 27;10.1001/jamasurg.2025.3099. doi: 10.1001/jamasurg.2025.3099. Epub ahead of print.

PMID: [40864450](#); PMCID: PMC12451535.

PEDIATRIC SURGERY

Contemporary biology, management, and outcomes of renal medullary carcinoma in children and adults: A Pediatric Surgical Oncology Research Collaborative study.

Beckhorn CB, Malek MM, Lovvorn HN, Leraas HJ, McKay KG, Kontchou NT, Kastenberg ZJ, Hoyt DW, Roach JP, Myers EK, Cost NG, Mullapudi B, Marchese CR, Jensen AR, Lautz TB, Carter M, Dasgupta R, Lundstedt J, Brungardt JG, Talbot LJ, Davidoff AM, Murphy AJ, Aldrink JH, Mansfield SA, Piché N, Lal DR, Craig BT, Schuh JM, Cromeens BP, Mannava SV, Castle SL, Lopez A, Mello K, Short J, Petroze RT, Rajavel S, Thompson GR, Mattei P, Rothstein DH, Fialkowski E, Fowler KL, Martchenko N, Rich BS, Glick RD, Brown EG, Doyle K, Abril P, Rinehardt HN, Seemann NM, Davidson J, Wilson CA, Le HD, Joshi D, Stellon M, Ahmed T, Dimmer AM, Newman EA, Hammoud M, Williams K, Grant CN, Gorgy M, Polites SF, Debertin J, Cameron DB, Stetson A, Kim ES, Lee WG, Barkhordar A, Austin MT, Coakley BA, Kahan A, Murphy JT, Pitonak M, Boehmer C, Tracy ET.
Pediatr Blood Cancer. 2025 Aug;72(8):e31774. doi: 10.1002/pbc.31774. Epub 2025 May 20.
PMID: [40394815](#).

PLASTIC SURGERY

Gloving the surgeon: A practical review of surgical glove material properties, safety, and waste.
Patel JJ, Fine KS, O'Shea AW, Wirth PJ, Shaffrey EC, Attaluri PK, Rao VK.
Ann Surg Open. 2025 Aug 4;6(3):e600. doi: 10.1097/AS9.0000000000000600.
PMID: [40989868](#); PMCID: PMC12453325.

Institutional support for plastic surgery applicants: Letter in response to recently published manuscript, "Characterizing the past 5 years of integrated plastic surgery applicants: A Texas STAR analysis".
Zona EE, Khosla AS, Gunderson KA, Israel JS.
J Plast Reconstr Aesthet Surg. 2025 Aug;107:192-195. doi: 10.1016/j.bjps.2025.06.019. Epub 2025 Jun 25.
PMID: [40651426](#).

Letter comments on: "A 5-point framework for students evaluating plastic surgery research fellowship opportunities".
Zona EE, Fine KS, O'Shea AW, Edalatpour A, Gunderson KA, Israel JS, Poore SO.
J Plast Reconstr Aesthet Surg. 2025 Aug;107:19-21. doi: 10.1016/j.bjps.2025.05.032. Epub 2025 Jun 4.
PMID: [40493998](#).

Wound complications after breast reconstruction: The limited role of hemoglobin A1c compared with body mass index in preoperative risk assessment.
Zona EE, Orgun D, Bay CC, George RE, Thornton SM, Carbullido MK, Dingle AM, Poore SO.
Ann Plast Surg. 2025 Aug 1;95(2):188-195. doi: 10.1097/SAP.0000000000004369. Epub 2025 Apr 28.
PMID: [40549941](#).

SURGICAL ONCOLOGY

An overview of the importance of neoadjuvant systemic therapy for breast cancer patients: From the Society of Surgical Oncology and the American Society of Breast Surgeons.
Weiss A, Agnese DM, Al-Hilli Z, Cabioglu N, Farr D, Kantor O, Obeng-Gyasi S, Wilke L.
Ann Surg Oncol. 2025 Aug;32(8):5453-5466. doi: 10.1245/s10434-025-17405-7. Epub 2025 May 12.
Erratum in: Ann Surg Oncol. 2025 Aug;32(8):5592. doi: 10.1245/s10434-025-17580-7.
PMID: [40355803](#).

Decoding the epigenome: Comparative analysis of uterine leiomyosarcoma and leiomyoma.

Pfaff M, Costa P, Tang H, Sailo B, Sharma A, Ahuja N.
Cancers (Basel). 2025 Aug 9;17(16):2610. doi: 10.3390/cancers17162610.
PMID: [40867239](#); PMCID: PMC12384543.

Impact of a web-based decision aid on socioeconomically disadvantaged patients' engagement in breast surgery decision-making: Stepped-wedge clinical trial (Alliance-A231701CD).

Schumacher JR, Hanlon BM, Zahrieh D, Rathouz PJ, Tucholka JL, McKinney G, Tan AD, Breuer CR, Bailey L, Higham AM, Wechsler JS, Arnold AH, Froix AJ, Dull S, Abbott AM, Fine SG, McGuire KP, Seydel AS, McNamara P, Chow S, Neuman HB.
Ann Surg Oncol. 2025 Aug;32(8):5540-5550. doi: 10.1245/s10434-025-17452-0. Epub 2025 May 17.
PMID: [40382452](#); PMCID: PMC12222412.

Impact of perceived attending consistency on general surgery resident feedback satisfaction in a national sample.

Muñoz Wilson DD, Akhund R, McLeod MC, Jones A, Sarosi G, Brasel K, Minter RM, Mellinger J, Buyske J, Lindeman B.
Am J Surg. 2025 Aug;246:116262. doi: 10.1016/j.amjsurg.2025.116262. Epub 2025 Feb 24.
PMID: [40050187](#).

Let's talk about sex: An acceptable, appropriate and feasible online sexual health educational video series for breast cancer patients.

Higgins MG, Helmkamp L, Zimmaro LA, Leslie SE, Adams M, Vemuru S, Huynh VD, Baurle E, Bozzuto L, Rojas KE, Coons HL, Arkema A, Tevis S. Res Sq [Preprint]. 2025 Aug 18:rs.3.rs-7023075. doi: 10.21203/rs.3.rs-7023075/v1.
PMID: [40894017](#); PMCID: PMC12393499.

TRANSPLANTATION

A new era in liver transplantation: Expanding indications and donor supply.

Aufhauser DD Jr. Curr Opin Organ Transplant. 2025 Aug 1;30(4):223-224. doi: 10.1097/MOT.0000000000001227. Epub 2025 Jul 3.
PMID: [40600267](#).

A snapshot of challenges and opportunities faced by the scientific workforce in liver transplantation - A survey of the International Liver Transplantation Society (ILTS).

Czigany Z, Putri AJ, Jiang D, Meier R, Emamaullee J, Al-Adra DP, Pang L, Kim J, Krendl FJ, Verstegen MMA, Meister FA, Lurje G, Mas VR, Bhat M, Bonaccorsi-Riani E, Martins PN; ILTS Basic and Translational Research Committee.
Liver Transpl. 2025 Aug 1;31(8):1007-1019. doi: 10.1097/LVT.0000000000000599. Epub 2025 Mar 14.
PMID: [40079696](#).

Belatacept pharmacokinetic analysis of Belatacept Early Steroid Withdrawal Trial (BEST) to clinical outcomes and compared with reported BENEFIT and BENEFIT-EXT pharmacokinetic analysis.

Pyatt A, McGowan M, Tanaka R, Miyagawa B, Mizuno T, Shields AR, Christianson A, West-Thielke P, Leone JP, Woodle ES, Kaufman D, Wiseman A, Matas AJ, Vinks AA, Alloway RR.
Clin Transplant. 2025 Aug;39(8):e70172. doi: 10.1111/ctr.70172.
PMID: [40704545](#).

Diminished immune cell adhesion in hypimmune ICAM-1 knockout human pluripotent stem cells.

Saha S, Haynes WJ, Seo J, Del Rio NM, Young EE, Zhang J, Holm AM, Pimentel M, Flannagan L, Huang L, Blashka W, Murphy L, Scholz MJ, Henrichs A, Suresh Babu J, Steill J, Kratz J, Stewart R, Kamp TJ, Brown ME.

Nat Commun. 2025 Aug 12;16(1):7415. doi: 10.1038/s41467-025-62568-2.

PMID: [40796566](#); PMCID: PMC12343971.

Normothermic regional perfusion and liver transplant: Expanding the donation after circulatory death donor pool.

Stahl CC, Aufhauser DD Jr.

Curr Opin Organ Transplant. 2025 Aug 1;30(4):225-235. doi: 10.1097/MOT.0000000000001230. Epub 2025 May 14.

PMID: [40366020](#).

Obesity management before and after pancreas transplantation.

Abbasi AB, Posselt A, Orandi BJ, Odorico JS, Stock PG.

Curr Opin Organ Transplant. 2025 Aug 1;30(4):315-322. doi: 10.1097/MOT.0000000000001226. Epub 2025 May 2.

PMID: [40314343](#).

Over 30 years of living liver donation in North America: Mortality associated with donation.

King EA, Alejandro RH, Emamaullee J, Al-Adra D, Byrne M, Selzner N, Anderson B, Pomfret EA, Olthoff KM.

Ann Surg. 2025 Oct 1;282(4):650-657. doi: 10.1097/SLA.0000000000006895. Epub 2025 Aug 7.

PMID: [40772632](#).

Pediatric donors in pancreas transplantation: Challenges and opportunities.

Tamburrini R, Odorico JS.

Curr Opin Organ Transplant. 2025 Aug 1;30(4):304-314. doi: 10.1097/MOT.0000000000001232. Epub 2025 Jun 20.

PMID: [40539605](#).

The UW experience: Feasibility of de novo letermovir for primary prophylaxis after abdominal solid organ transplant.

Descourouez JL, Kleiboeker H, Saddler CM, Smith JA, Rice JP, Mandelbrot DA, Odorico JS, Jorgenson MR.

Ann Pharmacother. 2025 Aug;59(8):730-735. doi: 10.1177/10600280241307383. Epub 2025 Jan 15.

PMID: [39815618](#).
